

## **Results for the 8'x200' circular tank with ramp:**

### **Circular tank:**

Tank Diameter = 200 ft

Tank Wall thickness = 12 in (actual)

Tank Height = 8 ft

$f_y = 60,000$  psi

$f'_c = 4,000$  psi

Horizontal Steel = #4 rebar Steel shown in table must be placed in each face of the wall		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	12	3' 3"
5	12	4' 3"
6	12	5' 3"
7	8	5' 11"
8	8	6' 7"
9	8	7' 3"
10	6	7' 9"

Vertical Steel = #4 @ 12" O.C. in each face.

Dowels "L" bars from tank to footing shall be #4 @ 12" O.C. at the interior mat of steel.


26" vertical leg, 6" horizontal leg

In the tank wall, at the corner of the notch for the ramp add:

3-#6 bars x 7'-10" long @ 6" O.C. vertically in each mat of steel (6 total)

3-#6 bars x 20' long @ 6" O.C. horizontally in each mat of steel (6 total)

4-#6 bars x 6 feet long @ 6" O.C. at a 45 degree angle in each mat of steel (8 total).

 Natural Resources Conservation Services United States Department of Agriculture	_____ County, PA <b>ROUND TANK W/RAMP</b> <b>DETAIL Page 6.09</b>	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
		Revisions <u>Pereverzoff</u> <u>1/9/08</u>
		Checked _____
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